



## **MATCH** **LINE**

- Philips HD Pix optics
- Auto IntelliSense™ Focus
- APAC—Automatic Phosphor Aging Compensation
- Protective screen filter
- Double Window, Two-Tuner PIP
- Dolby® Virtual Surround—30 Watt RMS
- 100Hz Digital Scan and Progressive Scan\*
- Digital Comb Filter



# 46" Digital Widescreen HDTV Monitor

46PP8621

## Product highlights

### 100Hz Digital Scan

Eliminates picture flickering and line jitter offering a stable picture for relaxed viewing (no eye strain).

### Progressive Scan

Progressive Scan doubles the number of visible picture lines per field by displaying all picture frame lines at once. This minimizes the visibility of the scan lines.

### Auto IntelliSense™ Focus

Automatically adjust picture convergence at the push of a button. After reviewing a special test pattern, optical sensors send position information to the controller, which then corrects the pictures. Auto IntelliSense™! Focus responds to the natural and man-made magnetic field conditions where the projection TV is located, so you always enjoy the best possible picture.

### Philips HD Pix optics system

The Philips HD Pix optics system answers the demand for extreme resolution HD with cutting edge processing and display technology, including micro phosphor CRTs, hybrid projection lenses, first surface mirrors, fine pitched Lenticular screens, and Philips Wideband video amplifier.

### Automatic Phosphor Aging Compensation — APAC

Non-moving images can be bad for a television screen. If a video image remains stationary, it can eventually leave a permanent after-image on the screen. Video games and the stationary black bars which outline standard 4:3 programming on a widescreen TV compound this problem. Now, Philips has found a way to combat this problem through APAC technology. Periodically, APAC automatically shifts your television picture in very small increments, but increments large enough to blur image retention. Coupled with the Philips Auto Format feature, you have excellent protection from the dreaded screen burn. Think of it as a screen saver for your TV.

### Active Control™

Continuous incoming picture and signal analysis. Controls: Automatic Digital Noise Reduction & Auto Sharpness. Automatically offers the best menu shows you the real-time adjustments of the parameters base on signal analysis.

### Protective Screen Filter

This filter has been specifically formulated by Philips for HD displays to give the best possible picture and still protect your investment. The protective screen filter helps prevent accidental damage to the delicate front Lenticular screen.

### Double Window, Two-Tuner PIP

Watch two shows, side by side, without a VCR! Two separate tuners let you select two shows and display both in windows of equal proportion.

### Dolby® Virtual Surround - 30 Watt RMS

Dolby® processing circuitry for enhanced surround sound effect creates the sensation of Dolby® Pro Logic without the hassle of additional rear speakers.

### Center Channel Input

Since it contains the vocal and "steering" information, the center channel is vitally important to overall performance of any large screen in a home theatre system. With standard clip-on style speaker connectors, our center channel input simplifies connection of Dolby or Logic surround sound equipment for optimal home theatre enjoyment.

### Smart Controls

Easy selection of pre-defined optimal settings for Picture and Sound via Control keys.

### High definition component inputs

Supports HD video input for superb color purity, crisp color detail, and reduced color noise - Includes separate inputs for Y, Pb, Pr, and R, G, B, horizontal sync, vertical sync.

## Component Video Input

Support advanced video input (such as DVD-video) for superb colour performance.

## Supporting Features

- Digital Color Transient Improvement (CTI)
- Digital Histogram
- Picture Freeze
- Auto Aspect Ratio Adaptation (and 16:9 compress, 4:3 expand)
- Incredible Surround™
- Automatic Volume Leveler (AVL)
- Independent headphone volume control
- EasyTune™ (Auto Search, Auto Tune, Auto Install)
- Alternate Channel
- Smart Surf
- Low power standby (<1W)
- 30W RMS sound output

## Technical specifications

### Picture

- Picture Screen Diameter: 46"/117cm
- Visible screen size: 117cm
- 100Hz Digital Scan\*
- Progressive Scan\*
- Digital Combfilter
- Dynamic Contrast
- Colour Enhancements: Green/Blue Stretch
- Digital Colour Transient Improvement (CTI)
- Digital Histogram
- Active Control
  - Auto Sharpness
  - Auto DNR
- Digital Noise Reduction (DNR)
- Tint Control (3 modes)

### Sound

- Dolby® Virtual Surround processing
- Incredible Surround™
- Loudspeakers: - 2 x 2" / 2 x 5"
- AutoSound™ control - Theatre, Voice, Music, Personal
- Stereo - Digital NICAM
- Sound Output: 30 Watts RMS (50Hz-10kHz at 5% THD, 8 ohm load)
- Bass Boost
- Center channel input
- Subwoofer out

### Features

- Double Window PIP
- 100 page Teletext (when available) for /69 & /79

### Ease of Use

- Smart Picture (5 modes)
- Smart Sound (4 modes)
- Multi-language OSD & menu control
- Sleep timer and Timer
- Childlock
- 100 presets
- Favorite Program List
- Remote Control

### Connectivity

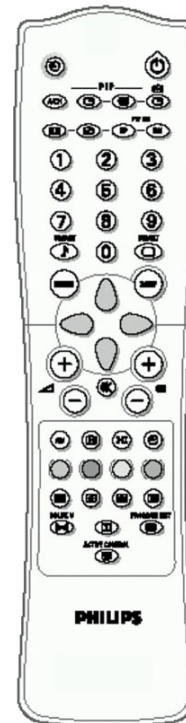
- Rear:
  - Monitor Out- CVBS + Audio L/R
  - AV1 - CVBS + YPbPr + S-Video + Audio
  - AV2 - CVBS + S-Video + Audio L/R
  - AV4 - 1080i & 480P (60Hz), 576p (50Hz), YPbPr (or RGB+HV) + Audio (576p not for /61)
  - AV5 - 1080i & 480P (60Hz), 576p (50Hz) RGB (or YPbPr with adapter) DB15 + Audio, (576p not for /61)
  - Antenna input: 75 ohm (Coax)
  - Center Channel Input
  - Subwoofer Output
- Side:
  - AV3 - CVBS + S-Video + Audio L/R
  - Stereo headphone out (3.5mm jack)

## Reception

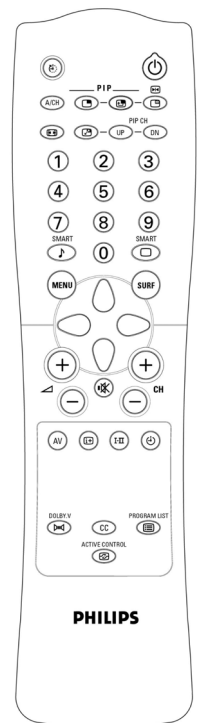
- Tuning system: PLL
- Color transmission system off-air: (only NTSC M for /61)
  - PAL B/G/I/D/K, SECAM B/G/D/K, NTSC M
- A/V connections:
  - (only NTSC 3.58/ 4.43 for /61) - NTSC 3.58/4.43, PAL60
- Stereo sound transmissions systems off-air:
  - NICAM B/G/I/D/K, 2CS B/G/D/K (BTSC DBX, FM/FM for /61)
- Channel selections:
  - VHF, UHF, S-Channels, Hyperband

## Miscellaneous

- Ambient temperature: +5/+45°C
- Mains: AC 90-276V, 50/60Hz (except for /93 160-276V, 50/60Hz)
- Power consumptions:
  - Normal Operation: 180W average
  - Stand by: <1W
- Product: dimensions: 113 x 60 x 134 (W x D x H cm)
- Product weight: 80 kg (176lbs)
- Carton dimensions: 125 x 71 x 140 (W x D x H cm)
- Carton weight: 11kg (24lbs)



RCS82D



RCS82E for /61



\* 100Hz Digital Scan or Progressive Scan can be switched with on screen display menu. (except 100Hz Scan option not available for /61)

Specifications are subject to change without prior notice

Website addresses: <http://www.philips.com>

<http://www.asia.philips.com>